CASIO

LampFree® Projectors

Triple Free

- **LampFree**
  20,000 hour life/Low TCO
- **Stress Free**
  No lamp replacement or downtime
- **Mercury Free**
  ECO Friendly

LampFree®

LOW COST OF OWNERSHIP

Lamp replacement is the largest single cost of many projectors, with replacement mercury lamps and filters costing up to four times the original purchase price, over the life of the projector.

CASIO® eliminates lamp and filter replacements with a hybrid light source and a 20,000 hour anticipated life.

By combining lasers and LEDs, Casio has created a unique, high-brightness, mercury-free LampFree® projector.

In an industry where most projection lamps come with only a 90-day warranty, we back our unique design with three to five years or 6,000-10,000 hours on our light source (depending on the model) and three years on the projector.

CASIO LAMPFREE TECHNOLOGY

Casio LampFree technology, based around our LASER & LED Hybrid Light Source, saves users time, due to minimal maintenance, and money by eliminating the cost of replacement lamps.

HIGHLY RELIABLE

A major benefit of our LampFree hybrid light source is reduced downtime. You no longer need worry about periodic lamp failures taking your projector out of service. Since the Casio light source lasts up to 10x longer* than a mercury lamp, this can be a significant savings.

Mercury lamps fade with use as well, losing about half their brightness after 50% of their rated life. With our hybrid light source you can expect bright, clear images hour after hour and year after year.

LOW CARBON FOOTPRINT

The Casio hybrid light source is mercury-free, eliminating concerns with proper disposal of used lamps and mercury pollution.

Signature projectors use less AC power: about 30% less than comparable projectors with mercury lamps. Eco Mode (on every Casio projector) can save as much as 50%, and we link it to an ambient light sensor, producing great images by automatically adjusting the projector brightness to the brightness of the room.

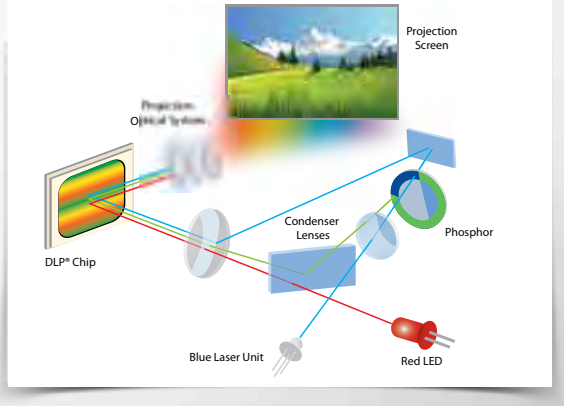
Casio's standby mode can provide even bigger savings. Classroom and conference center managers know users often leave projectors on after the presentation is over. All Casio projectors can automatically go to standby mode, shutting down the light source to use less than one watt per hour.

* Based on comparison to prior Casio product with mercury lamp.

Our new fifth-generation light engine (Slim/Signature/Ultra Short throw) incorporates an LED array which is 30% more efficient than previous engines. This new light engine produces the same brightness with less power consumption as well as improving the color accuracy. By combining a laser, a fluorescent element and LED's, Casio has created an original mercury-free hybrid light source capable of generating high brightness up to 4000 lumens.

SLIM SIG SHORT

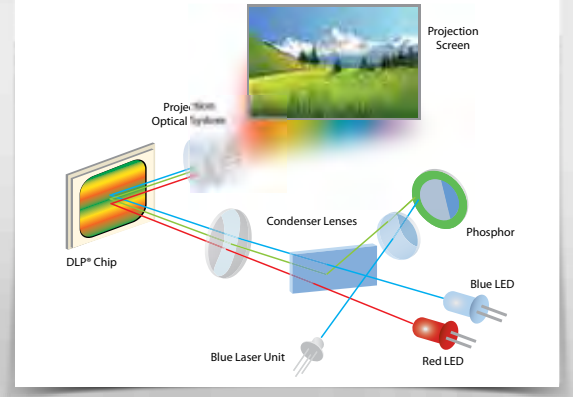
SLIM /SIGNATURE & ULTRA SHORT THROW SERIES



> Red is emitted by a high-lumen red LED.
> Blue is from a blue laser.
> Green is achieved by converting blue laser light using a phosphor element.

PRO

PRO SERIES



> Red is emitted by a high-lumen red LED.
> Blue is from a high-lumen blue LED.
> Green is achieved by converting blue laser light using a phosphor element.

INSTALLATION FLEXIBILITY

Have a unique application that requires something other than flat mounting? Casio LampFree Projectors can add the extra impact you need, especially in digital signage and museum applications. Unlike lamp-based projectors, Casio Slim and Signature Series can be rotated 90° on their sides for portrait images.

Signature Series projectors can be tilted 90° in any direction as well, including directly down from the ceiling to the floor.

CONTINUOUS OPERATION

Cool-running Signature and Slim Line projectors have the ability to run all day, every day in extended-use applications including digital signage, museum displays and other challenging environments. Run them worry-free, knowing you will not shorten their expected life or damage their bright, high-impact images.

(Note Projectors must be reset once a day when operated in continuous operation applications).

AN EXCEPTIONAL WARRANTY

Casio LampFree Projectors are reliable and built to last, with an estimated operating life of up to 20,000 hours. All Casio Projectors are backed by an industry leading 3 year parts and labor warranty with up to 6000 hours on the light source. And select models are covered for 5 years or 10,000 hours on the light source.

SLIM

- 3 years or 6,000 hours on the light source / 3 years all other components

SIGNATURE AND ULTRA SHORT THROW

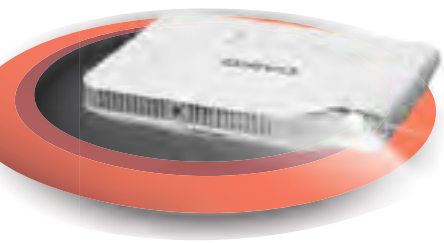
- 2500 lumen models: 3 years or 6,000 hours on the light source / 3 years all other components
- 2500 lumen, educational use: 5 years or 10,000 hours on the light source / 3 years on all other components
- 3000 lumen models: 5 years or 10,000 hours on the light source / 3 years on all other components

PRO LINE

- 5 years or 10,000 hours on the light source / 3 years on all other components

PRODUCT OVERVIEW

SLIM



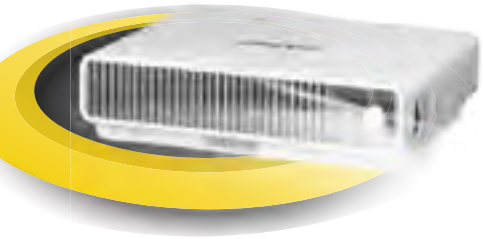
The thinnest, high brightness projector - 1.7 inches thin – the length and width of a sheet of paper and only 5 lbs.

- Up to 3000 lumens
- 2X power zoom
- Input/output connectivity—RGB, video, HDMI, RS-232C, audio in/out
- Built-in 1W speaker
- DLP technology
- Auto brightness adjustment
- On screen presentation timer
- Closed captioning
- XGA or WXGA (1280x800) resolution
- USB Micro – for start screen logo upload

For USB Models Only:

- Additional connectivity:
  - USB B – Wireless Presentations or Thumb Drive
  - USB A – for uploading to Built in 2GB Memory
  - USB Micro – for start screen logo upload
  - USB display: send video to the projector from almost any device via an inexpensive USB cable
- Wireless presentations from PC or Mac
- Built-in memory: 2GB
  - Logo Capture – start up screen
- Presentations from your thumb drive

SIGNATURE



CASIO Signature series projectors provide high brightness and 1.5X Zoom for use in large and small rooms.

- Up to 3000 lumens
- 1.5X manual zoom
- Expanded input/outputs—RGB, video, HDMI, RS-232C, audio in/out
- Auto brightness adjustment
- Built-in 5w speaker
- DLP technology
- DLP 3D ready
- Closed captioning
- XGA or WXGA (1280x800) resolution
- USB Micro – for start screen logo upload

For USB Models Only:

- Additional connectivity:
  - USB B – Wireless Presentations or Thumb Drive
  - USB A – for uploading to Built in 2GB Memory
  - USB display: send video to the projector from almost any device via an inexpensive USB cable
  - RJ-45 – Wired LAN for projector control and management
- Wireless presentations from PC or Mac
- Built-in memory: 2GB
  - Logo Capture – start up screen

PRO LINE

CASIO Pro series projectors with up to 4000 lumen brightness provides brightness & performance needed for large rooms.

- Up to 4000 lumens
- 1.2X manual zoom
- Expanded input/outputs — 2 RGB inputs, RGB output, video, HDMI, RS-232C, audio in/out
- Auto brightness adjustment
- Built-in 10w speaker
- DLP technology
- DLP 3D ready
- Closed captioning
- XGA or WXGA (1280x800) resolution

For USB Models Only:

- Additional connectivity:
  - USB B – Wireless Presentations or Thumb Drive
  - USB A – for Interactive Whiteboard Pen
  - RJ-45 – Wired LAN for projector control and management
- Wireless presentations from PC or Mac
- Interactive white board capable

ULTRA SHORT THROW

CASIO Ultra Short Throw series projectors projects bright, crisp images at close range with a full assortment of connectivity & features.

- 3100 lumens
- Ultra short throw ratio (0.28:1)
- Wireless presentations from PC or Mac
- Built-in memory: 2GB
- USB display: send video to the projector from almost any device via an inexpensive USB cable
- Presentations from your thumb drive
- Expanded input/output connectivity— 2 RGB input, 1 RGB output, video, HDMI, RS-232C, audio in/out, mic in 1 USB A/B, 1 USB Display and 1 RJ-45 Wired LAN
- RJ-45 Wired LAN
- Auto brightness adjustment
- Built-in 16w speaker
- DLP Technology
- DLP 3D Ready
- Closed captioning

LASER & LED HYBRID

Features At A Glance

	MODEL	BRIGHTNESS	RESOLUTION	USB	WIFI CONNECTIVITY	3-D READY	2GB Built-in Memory	ETHERNET CONNECTIVITY
SLIM	XJ-A142	2500	XGA					
	XJ-A147	2500	XGA	O	O		O	
	XJ-A242	2500	WXGA					
	XJ-A247	2500	WXGA	O	O		O	
	XJ-A252	3000	WXGA					
	XJ-A257	3000	WXGA	O	O		O	
SIG	XJ-M141	2500	XGA			O		
	XJ-M146	2500	XGA	O	O	O	O	O
	XJ-M151	3000	XGA			O		
	XJ-M156	3000	XGA	O	O	O	O	O
	XJ-M241	2500	WXGA			O		
	XJ-M246	2500	WXGA	O	O	O	O	O
	XJ-M251	3000	WXGA			O		
	XJ-M256	3000	WXGA	O	O	O	O	O
PRO	XJ-H2600	3500	WXGA			O		
	XJ-H2650	3500	WXGA	O	O	O		O
	XJ-H1700	4000	XGA			O		
	XJ-H1750	4000	XGA	O	O	O		O
ULTRA SHORT THROW	XJ-UT310WN	3100	WXGA	O	O	O	O	O

EcoLite
Powered by Casio LampFree

XJ-V1

The EcoLite™ incorporates essential features with Casio's Industry Leading LampFree® Technology to create a budget friendly projector. The XJ-V1 delivers reliable long term operation, exceptional image quality, 2700 lumens of brightness & connectivity and is ideal for use in classrooms, on the road or in the boardroom.

MAIN INFORMATION	
Native Resolution	XGA (1024 x 768) 786,432 pixels
Native Aspect Ratio	4:3
Brightness	2700 lumens
Display Device	0.55" DLP® chip
Contrast Ratio (Full White/Black)	20000:1
Lens Type	1.1X Manual Zoom & Focus
Lens Offset	72%
Light Source	Casio Laser & LED Hybrid
Estimated Light Source Life	Up to 20,000 hours
Projection Screen Size (Min-Max)	36 - 360 inches
Projection Range	
60-inch Screen	5.9-6.5 ft
100-inch screen	10.1-11.2 ft
Minimum	2.7 ft @30inch 1
Throw Ratio	1.54-1.71:1
Keystone Correction	Vertical + or - 30˚ (Manual)
Color Reproduction	Full color (up to 1.07 billion colors)
Power Source	AC 100 ~240V, 50/60 Hz
Power Consumption	
Operating	~155w Eco Off Bright Mode
Standby	0.15w

OTHER INFORMATION	
Usage Environment	
Operating Temperature	41~95°F
Operating Temp/Humidity	20~80% (non condensation)
High Altitude Mode	Yes (for operation 5,000 to 10,000ft above sea level)
Extended operation (24 x 7)	Yes (Note: Projector must be turned off once every 24 hours)
Rotation Projection	No
Closed Captioning	No
Ceiling Mountable	Yes, available and sold separately by 3rd party vendors
Ceiling Mount Screws (Type x Qty)	M4 x 4 (not included) Insert depth (5-8 mm)
Limited Warranty	3 Years Parts & Labor plus 5 years or 10,000 hours on light source, see Warranty Statement included with product for complete details
Included Accessories	Remote Control, Power Cord, RGB Cable, Warranty, Setup Guide
Dimension (W x D x H) Including Projections	10.6" x 10.6" x 3.5"
Weight	8.6 lbs
UPC Code	079767483470
Manufactured in	Japan

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NETWORK CONNECTION

GREAT CONNECTIVITY TO ANY DEVICE WITH CASIO USB-CAPABLE MODELS

In addition to high brightness, Casio LampFree projectors provide all the connectivity you expect. All Casio projectors will connect to almost any digital or analog computer or video source (via HDMI, RGB and video connectors), control systems (via an RS-232C port) and, Casio USB models can connect wirelessly.

WI-FI PRESENTATIONS FROM LAPTOPS

Connect wireless-enabled Casio projectors to your PC or Mac via Wi-Fi – or in a situation where there will be multiple presenters, connect up to 8 laptops simultaneously. You can even divide the screen into 4 parts, showing 4 connected computers at the same time.

Note: Wireless Connection 3 (included) or wePresent (download) is required.

PC-LESS PRESENTATION

Leave your laptop or tablet behind. Load your JPEG images or converted PowerPoint files onto a USB thumb drive, plug it into the projector and start projecting. The projector's 2GB of onboard memory ensures smooth, glitch-free presentations.

Your remote will control your presentation. There is also a menu setting for auto play, making the projector a great option for digital signage applications.

Note: Wireless Connection 3 or Network Connection (included) or wePresent (download) is required.

NEW USB FEATURES – SLIM/SIGNATURE/ULTRA SHORT THROW

All USB models now include 2GB of memory to speed and simplify PC-free presentations; all can receive video via an inexpensive, nearly universal USB cable; all allow you to add your logo or a custom message to the start-up screen.

CONTROL & MANAGEMENT

In today's high-tech environment, the ability to remotely control and access a projector is critical. Large projector fleets deployed over a campus require instant and remote access to minimize downtime.

All Casio projectors come standard with an RS-232C control port for advanced projector control and status feedback. Need more control? Casio USB models (Signature, Pro and Ultra Short Throw) include an RJ-45 Ethernet port for connection to the network, plus Direct IP addressing (both static and dynamic) and a built in web browser to provide all the information you need. And all our projectors are compatible with industry recognized control systems, including those from AMX, Crestron, Extron, as well the industry standard PJLink protocol.

CRESTRON FUSION RV® (ROOMVIEW)

All Casio LAN enable projectors are also Crestron Fusion/RoomView compatible, enabling simplified network control and communication without the need for additional hardware or software.

Casio also includes AMX Device Discovery and Extron IP Link and PJ Link technology in all of our projectors, making them easy to integrate with almost any installed system.

BUILT-IN AUDIO

All Casio projectors include a built-in amplifier and loudspeaker—perfect if you will travel with your projector or need to stretch your budget for classroom or conference room installations. Variable audio out (all models except Slim) allows you to output the audio to a separate system for even greater sound.

DLP 3D READY

3D is not just for scientists or movie fans. Included in all Casio Pro, Signature and Ultra Short Throw models, it can provide dramatic impact for business presentations and help students better engage with their lessons. It's easy to start using 3D now: optional 2D-3D software can help you convert standard presentations to DLP 3D. (3D Active Shutter glasses and software required and sold separately.)

CLOSED CAPTIONING

Now included in all Casio projectors, helping you make classes and presentations accessible to everyone.

SUPERIOR COLOR

One of the benefits of the hybrid light sources is an increased color gamut – these projectors will show about 50% more of the spectrum, for more accurate renditions, subtle shadings. Images appear brighter as well.

EASE OF USE

Casio LampFree Projectors are solid state, meaning they start quickly and reach maximum brightness in less than 8 seconds. No more waiting for the lamp to warm up. And shut down is instant so there is no waiting for the projector to cool.

www.casioLampFree.com

CASIO Projector Specifications

	Slim		Signature		Pro		Ultra Short Throw
	XGA	WXGA	XGA	WXGA	XGA	WXGA	WXGA
Native Resolution	1024 x 768	1280 x 800	1024 x 768	1280 x 800	1024 x 768	1280 x 800	1280x800
Native Aspect Ratio	4:3	16:10	4:3	16:10	4:3	16:10	16:10
Brightness	2500 lumens	3000/2500 lumens			4000 lumens	3500 lumens	3100 lumens
Display Device	0.55-inch DLP® chip	0.65-inch DLP® chip	0.55-inch DLP® chip	0.65-inch DLP® chip	0.7-inch DLP® chip	0.65-inch DLP® chip	0.65-inch DLP® chip
Contrast Ratio	1800:1				1400:1		1800:1
Lens Type	2X Power Zoom & Focus		1.5X Manual Zoom & Focus		1.2X Manual Zoom & Focus		Fixed/Manual Focus
Lens Specs F/f	F2.29-3.09/f15.9-30.8mm		F2.31-2.73/f 18.9-27.2 mm		F2-2.15/f 23.2-27.7mm		F2.3/f4.2mm
Lens Offset	50%	33%	50%	33%	50%	61%	68%
Light Source	Casio Laser & LED Hybrid (Up to 20,000 Hours)						
Screen Size (Min-Max)	15 to 300-inch diagonal	18 to 300-inch diagonal	30 to 300-inch diagonal	35 to 300-inch diagonal	27 to 300-inch diagonal	30 to 300-inch diagonal	50 to 110-inch diagonal
Projection Range							
60-inch screen	5.6 ~ 11.2 ft	4.6 ~ 9.3 ft	6.6 ~ 9.9 ft	5.6 ~ 8.2 ft	6.3 ~ 7.6 ft	5.6 ~ 8.2 ft	18.8" (77' W screen)
100-inch screen	9.2 ~ 18.4 ft	7.9 ~ 15.8 ft	11.2 ~ 16.1 ft	9.6 ~ 13.8 ft	10.9 ~ 12.9 ft	9.6 ~ 13.8 ft	21.5" (87' W screen)
Minimum Throw Distance	2.8 ft		3.3 ft		2.8 ft		11.5" (50' W diagonal)
Throw Ratio	1.4-2.8:1	1.15-2.30:1	1.64-2.46:1	1.32-1.93:1	1.6 ~ 1.91:1	1.62 - 1.95:1	0.28:1
Keystone Correction	Vertical +30° (Auto) Vertical + or - 30° (Manual)						Vertical + or - 5°(Manual)
Color Reproduction	Full color (16.77 million colors)						
Power Source	AC100~240V, 50/60Hz						
Power Consumption							
Operating - Non USB Operating - USB	<2500lm models> Bright mode : 155W Eco 1 mode : 115W	<3000lm models> Bright mode : 165W Eco1 mode : 155W	<2500lm models> Bright mode : 165W Eco 1 mode : 135W	<3000lm models> Bright mode : 180W Eco1 mode : 145W	350 watts- Eco Mode "off" Bright selected / 270 watts Eco Mode "Eco 1" Selected	330 watts- Eco Mode "off" Bright selected / 250 watts Eco Mode "Eco 1" Selected	230 watts- Eco Mode "off" Bright selected / 110 watts Eco Mode "Eco 5" Selected
Standby	0.14 w (no LAN Models)		0.12 w (LAN OFF), 2.3 w (LAN ON)		0.4 w (LAN OFF), 4.8 w (LAN ON)		0.12 w (LAN OFF), 2.3 w (LAN ON)
TERMINAL CONNECTIVITY							
Video Signal Compatibility							
Video Systems	NTSC/ PAL/ PAL-N/ PAL-M/ PAL60/ SECAM						
DTV/HDTV	480i/480P/576i/576P/720P/1080i/1080p						
Maximum Computer Input	UXGA (1600 x 1200)						
INPUTS							
RGB/Component Video Input	mini D-Sub 15 pin x 1 (Also use as YCbCr/YPbPr input— commercially available adapter required)						
HDMI	HDMI Type A x 1 (480p~1080p)						
USB Display	Yes (USB models only)				No		Yes
Composite Video	Stereo Mini x 1 (Shared with Stereo Audio in/out)		Composite Video (RCA) x 1, S-Video x 1				
Audio			RCA (R/L) x1, Stereo mini x 1		RCA (R/L) x1, Stereo mini x 2		
Built-in Memory	Yes (USB models only) 2GB (PDF, JPEG, BMP, PNG, GIF, AVI,MOV,MP4)				No		2GB (PDF, JPEG, BMP, PNG, GIF, AVI,MOV,MP4)
USB Models Only	Type A (USB2.0) x1 / Micro B(USB2.0) x1				Type A (USB2.0) x1 / Type B(USB1.1) x1		Type A (USB2.0) x1 / Type B(USB2.0) x1
Logo Transfer (All models)	Micro B(USB1.1) x1				No		Micro B(USB1.1) x1
Wireless Capability (USB Only) IEEE802.11 b/g/n compatible	Wireless LAN Adapter (YW-40) is included with USB Models				Wireless LAN Adapter (YW-3) is included with USB Models		Wireless LAN Adapter (YW-40) included
OUTPUTS							
Audio	Stereo Mini x 1 (Shared with Stereo Audio in/out)		Stereo Mini x 1		Stereo Mini x 1, Mini D-sub 15 pin x 1		
Microphone (dynamic compatible)	No						3.5 mm Minijack
AUDIO AND CONTROL SYSTEMS							
Audio system	1W x1 Monaural Speaker		5W x1 Monaural Speaker		10W x1 Monaural Speaker		16W x1 Monaural Speaker
Control Terminal							
RS-232	RS-232C (Mini Din) x 1 Optional YK-60 cable require and sold separately. Straight cable required		RS-232C (D sub 9 pin) x 1 Cross Cable (Null Modem) required)				
LAN (USB Models only)	Not Available		RJ-45 x 1				
Control System Compatibility	AMX, Crestron, Extron, SP Controls, PJLink						
OTHER INFORMATION							
Usage Environment							
Operating Temp/Humidity	41~95°F / 20~80% (non condensation)						
High Altitude Mode	Yes (for operation 5,000~10,000 ft)						
Extended operation (24 x 7)	Yes – Note: Projector must be turned off once every 24 hours						
Rotation Projection	90 degrees Left/Right (Portrait) Only		90 degrees Left/Right (Portrait) / 90 degrees (Up/Down)		No		
Remote Control Range	16.4 ft Maximum						
Security Compatibility	Kensington™ Compatible / Power On Password						
Ceiling Mountable	Yes, available and sold separately by 3rd party vendors						Yes (YM-80 Optional)
Ceiling Mount Screws	(Type x Qty) M3 x 3, not included (Insert depth 4-6 mm)		Type x Qty) M3 x 3, not included (Insert depth 5-7 mm)		(Type x Qty) M4 x 4, not included (Insert depth 5-8 mm)		(Type x Qty) M4 x 4, not included (Insert depth 5-8 mm)
Limited Warranty	3 years Parts and Labor plus 3 years or 6,000 hours light source, see Warranty Statement included with product for complete details.						
Included Accessories	Wireless remote control, YW-40 Wireless adapter, 6' RGB cable, AV Cable, 6' AC Power Cord, Carry Bag, Setup Manual (Printed)		Wireless remote control, YW-40 Wireless adapter, 6' RGB cable, 6' AC Power Cord, Setup Manual (Printed)		Wireless remote control, YW-3 Wireless adapter, 6' RGB cable, 6' AC Power Cord, Carry Bag and Setup Manual (Printed) (Manual on CD-ROM-XGA-only)		Wireless remote control, YW-40 Wireless adapter, 6' RGB cable, 6' AC Power Cord, Cable Cover and Setup Manual (Printed)
Included Software USB Models Only	Network Connection (Windows® and Mac) EZ-Converter FA (Windows®)				Windows® Only–Wireless Connection 3/EZ-Converter FA/ArcSoft Media Converter 3 for CASIO Projector		Network Connection (Windows® and Mac) EZ-Converter FA (Windows®)
Optional Accessories	YK-60 (RS-232C adapter)		Active Shutter 3D Glasses (YA-G30)/ 2D-3D Conversion Software (YA-D30)		Active Shutter 3D Glasses (YA-G30)/ 2D-3D Conversion Software (YA-D30), Interactive Pointer (YA-P10)		Wall Mount (YM-80) Active Shutter 3D Glasses (YA-G30) 2D-3D Conversion Software (YA-D30)
Cabinet Color	White / Light Grey Trim		White / Light Gray Trim		Dark Gray / White Top		White / Gray Trim
Dimension (W x D x H)							
Including Projections	11.69 x 8.26 x 1.69 in		12.24 x 9.61 x 3.31 in		15.75 x 12.72 x 4.17 in		16.5 x 13.1 x 6.0 in
Excluding Projections	11.69 x 8.26 x 1.59 in		12.24 x 9.61 x 3.23 in		15.75 x 12.72 x 3.78 in		16.5 x 13.1 x 5.6 in
Weight	5.1 lbs		8.6 lbs		15.6 lbs		12.1 lbs
Packing Information							
Carton Dimensions	14.96" W x 6.22" H x 10.43" D		16.5"L x 14.5"W x 6.5"H		22.0"L x 18.7"W x 9.5"H		23.4"L x 18.5"W x 10.8"H
Carton Weight	10.14 lbs		14.1lbs		26.4 lbs		21.2 lbs.
Manufactured in	Japan				China		Japan